

Fable of Contents

The letter-tagged illustration of the Busch tail Pressman at right, together

with the corresponding explanatory data below, will enable you to follow the material in this bankles and to become more guickly fumiliar with your own camera. Refer to this page often while reading this booklet, and for the first few days you use the camera.

- The VUE-FOCUS-A separate but his secretion the consequents and use of this facusing derics it enclosed with your content.
- Matel Arm that connects VUE-FOCUS with
- Set Scorp that control luxues interchange-

- (it Easts that draw loss and bellows our over St Keels that control forward and backward
- (f) The Forming Track.
- ill: Bigle hand Forming Kool with lock keets
- 60. See Screw than controls rise and fall of loss
- (i) Adjustable Hand Scrap. (2) Space Finder.
- (i) Pep Siple.
- (i) Peculoy Scale.



Banacinders.

Shiden the Comer Adjacable Stred Street

Depth of Field Tables

Foreword . . .

Your 4n5 Modd D Busch Pressman is the finest, most advanced, press-type camera on the masker, it is compact — fully 4-inch smaller in all dimensions that any other American mode 4x5 comera — yet

nothing it assessed to ragged transpraction and designife learners. The Busch

465 Premuta combinus improvements of stating features

PLUS many new developments — all working together to make
picture-existing taskes, future and BETTEB than ever

before in this film size. Your Busch 4n3 Presman will give you years of service with ordinary usage and sensible handling. It is guaranteed for a period of one year against delects of manufacture and material.

Congratulations on an excellent shoice! As the years go by you investment will pay for itself time and again in enjoyment, interest and pride of ownership.

Bittern Paramony Contents Components on the Content of Contents of Contents of Contents of Contents on Contents of Contents o

Sequence of Operation

If your externs is equipped with the Yuc-Focus, open the camera by pressing down on the lever located below center window (see ill.). Other you come camera by pressing betton on top of

Turn focusing each to retenose position. Group two knoles (see ill. #3) and draw standard forward fermly against infinity attoo.

 Pull searce finder and reas wisht into correction manifests. If

you plan to use this method,

5. Compose scene in finder. Focus, using any of the methods

 Compose scene in finder. Focus, tuing any of the method described on pages 6, 7, 8 and 9.
 Insert holder or adapter (ase ill. ±21).

See shurrer speed and lens stop.
 Withdraw slide from film carrier. Cock and trip shatter.
 Replace slide.





Sports Finder

The sports finder can be put in proper position by lifting forward and apward. The year sight is notizioned in a similar manner. The lone dimension of the front frame runs in both directions and can be used with both the vertical and horianntal positions of the revolving back (see page 11). In use, the ave is placed directly behind the rest sight. From this position the front frame includes the sexual picture area.





Two focusing knobs permit right or left hand opention. Rack forward for closer objects, back for more durant views. Rack is at infinity position when starward movement stops. The locking knob on the right side of the bod can be tightened by turning in a clock-wise direction









The state is equipped with a "cursor" similar to that of a clide rule. That is ectually a small magnifies with an

le within tape-measuring dittence.

for veritest eccuracy. This method of focusing

Ground Glass Jereen Open the director and errose the







The problem back permits you to change from vertical to horizontal format without removing the camera from the tripod. Used in continuously with the supers finder, it is pre-

draw it back. Now twen entire back in desired direction. It is not necessary to retain hold on screw once back it out of normal position. Back will click automatically into 90, 180, 270 and 340 degree

positions. To return back to normal position, merely draw back on screw at bertom and none back into purition. It will click back into place automatically.

The Var-focas, Kalcer and Hugo Meson

Range Finders

ingellation of the factory. They are

Melders and Maple

Only empled America processor

light true springs to recover service.

Muller

The Raptar loss is learnifold with both Rapax and Rapax Synahromatic intuition calibrated with speeds from one second to 1/400 th of a second, the time and halls. When setting to high feature speeds (200 to 400) slight resistant will be enumerated. This is caused by inarnased upoing tension. Do not be altaid to cares greater persons to give the speed of the contraction of the second property of the tags that the second property of the second property of the tags and the second property of the second property of the tags and the second property of the second property

e hailt-in flash tyuthrouizer. The "M" secting is used for most types of flesh hullar. The "P" postsion on the Synahroutetic shorter it used with "SM" and "SF" midget hullar. The "X" section: In most with high-used "tetolo" units, all of which are sold with

specific intextism for operation. The Exist lens is luminosis with the Kodol Supermitted Substitute. This shorter operate in standard linking for cryptaly use. However, for find gas not, the find level [Text bround limit become lens the cooling level; more than a part of the part of the cooling level; more than the lens that the cooling level; more than the cooling level; more partle divers the cooling level; more partle divers. When using Partle level; for the cooling level; more pattern of the cooli





Tomes

Lenses regularly furnished wish the ramers as presons writing are: The Wallerseck Raptas, 23 Junn. and the Estiman Koelik Ekter, 127mm. Book lenser etc optically cound and have maximum processing of f4-e.

In each of these leaves the init disphragon is calibrated for the fellowing stops; I/A.F.1.6.F-11.16-2.2: and 33, Each of these full stops gives doubt the exponence of the act consiler stops; (Note: I/S.6 to I/A.F is only a half stop, giving 1.5 times increase in exponence. Thus, I/I gives double the exposure of I/II, or love times the appearance of I/I.6.)

I cross of longer or shorter local langth may be available from time to rise for use in wide angle or telephon week and are certify adoptable to the Modal D. Since the carrier is equipped with a removable lore board one an make full use of another loca in a matter of seconds.

Wide number locare should be facused on the ground elem screen times locarine scales.

waid angie schies should be violented to the government goes severe tract: contenting acute south the too short for practical words. When using thisphoto lenses with casetax handheld, employ lass shutcer speeds 11/100 or higher). Slight assures movement during asymmetry to caugestated by long focal lengths.

Holding the Camera

 Avaid using shorter spend shows; thus, t/peth of a squard. While it is possible to get userful-what; sugariars at ever t/t in it a squard, it is mady doe to good lock to a streamly structly hards. For examinous therpoens, are 1/peth of a second or fasce.
 Credit a proor it is both hands. Do non grip storms (global). From the fortuness.

against sides of the body for added eighticy. Kery ellows in.

1. Brace back of comers against the face with the eye close to the rem section of the view-diadet.

4. Secureta, do not inh or the sharrer



A COMPANY OF THE PARK OF THE P

Depth of Field

Photographic lunes have a characteristic which includes more or less tree in secreptable sharp-ness of focus, over and above that distance setted ally focused upon. The shorter the focul length of the loss, the genere the depth of field. By the same tokin, the number the lens disphragm the greater the depth of field. Depth can be greater the depth of field. Depth can be grided by closing the loss disphragm down. Thus, I'll growtels a greater are of sharmon.

thus fuse (1/4.6. Emphasis can be placed on onparticular portion of the picture by pormitting the tear before and behind the subject to fall out of foots. See tables on following age for area of surparess correctly by the 1/2mm and 1/3mm leases for a piven 1/2 may and distract. Emphasis can be placed for a piven 1/2 may tend distract. Emphasis can be placed for particular portion of the forest by particular, the tree of the particular portion of the foot of foots. The table on the own page will quick to full our of foots. The table on the own page will quick to full our of foots. The table on the own page will quick to full our of foots.

Adjustable Hand Strap

The feether handle, as frontfield at the factory, may be too large to too until fits your hand. The handle length may be thought as either to both ends by bosonism the locking serves with an ordinary time. Additional boles are performed to the strap, this or the covered but with the perfectation in the handle glate paid

14

| ELD TABLE & | FOR | 5" | POCU | S | LEN | SES | (\$ | 27.0 | d gerro. |
|-------------|-----|----|------|---|-----|-----|-----|------|----------|
|-------------|-----|----|------|---|-----|-----|-----|------|----------|

| | DEL III DI | 6 10000 11 | 246. 1 300 IND | CHELL OF C | THEVELOR. | | |
|-----------|------------|------------|----------------|------------|-----------|----------|------|
| Milliones | | 245 | 110 | 110 | 1 11.0 | 1.160 | 1.2 |
| ter. | | 135'44 | 1981-bel. | \$75.600 | 62'-ted. | 43'-let. | 36.4 |
| 90" | | 36'.55.3" | 241-481 | 20"417" | 94"-530" | 20'-tel. | 197 |
| 10' | | 10'-57' | 13517 | 09.0'-09" | 191991 | 111-487 | 10'- |
| 19" | | 1454625 | 4'-10.6' | 5.05(11) | 0.P-11.W | 8'-10.9' | 1.40 |
| | | 5.854" | 1.5'43' | 1.854.8 | 1.5'-6.6' | 82'48' | 15 |

DEPTH OF RELD TABLE FOR 5-\$ 16" FOCUS LENSES (135.0 eros.)

| Erstoner | 11.7 | 110 | 1.00 | 1.11.0 | 1.14.9 | 1 22 0 |
|----------|--------|-----------|-----------|----------|---------|----------|
| let. | 160'04 | 1961-045. | 10104 | all and | AT-No. | 34' saf. |
| B0' | 36.33, | With | 391-1095 | 291-1297 | 26 oct. | 20"-bal. |
| 100 | 15.00 | 0.252 | 105-115 | 18149 | 11540 | 10'-04" |
| 10' | 8505 | 9:10.0 | 91-111 | Ø-11.61 | 61-161 | 8'48' |
| | LEAF | 1000.00 | 1545 | E454-P | 1,414.9 | 3.8°-P |
| P | LI'AI' | \$4'A1' | 3.0'-4.2" | 3,8"4.8" | 85-45" | 25.45 |

16

Flash Equipment

The photographer earnest function in the wife suggested modern photography without the sid of a firsh combanning to another adequate light independent of all other sources The synchronizer makes the photographer completely dependent, indoors and out, and it enables him to recent many pictures that would otherwise be lost. This publices in too large to be covered fully here. You are referred to various data swallable at most camera dealers. The Busch Precision Pressman is easy to adapt to most synchronizers. Both selenoid and cable release types, All you need do is select a reliable, versatile cooks and have is reconsted accerately on the camera and adjected with the shorter. This work can be done most satisfacturily to the fectory. Som solenoid-type flish gunt are linked to the sharrer release lever by an "S" hook. When time and bulb openings of th efector are to be used, it may be necessary to disensage hook from the solesoid. The Busch Precision Pressman is also adaptable to most portable high speed repeating fisth noits on the market



Lens Movements

REARWARD THIT and DROF BED — for use with wide angle lenses. To drop bod, draw lens standard not to normal position, town depoest side sense with thumbs until list notes on arms click ison pincs. To dit lens, loosen set serves no either side of lens to nederal. Tils lens no desired noticine and tighten serves.

IMPOSTANT — e

THE RISING FRONT—for one when phonographing call haildings, exaught-down wieser and other vertical shots where distortion may be a problem. To take the lens mounts, loosen lock screws at sides and dasse lens mount upward, Check for derived effect in ground glass. Lock in position by tighteening cerews.



LATERAL or SLIDING MOVEMENT — for use when you want to include objects ton either side of composition without disturbing set of tripod, Move lens fo toraffly by torning knob (see ill.) to right or

left depending upon diecction you desire. When no ximm intend movement is reached, knob will turn without result. Check ground glass screen carefully before shooting. When returning lent to noemal position, accibed





Flip Back Infinity Stops

Infinity trops on either side of focusing track can be flipped back instantly when you want on by-pass them with the lent. Infinity trops on your camera are specificamized with your lent. Additional infinity stops can be added to the track or accommodate a different focul-length lens which you



Close-up Photography

The natur-long bellowe extension of the Busch 4x? Pressman makes photographing until objects to close 1 tipe a relatively simple meter. The least rap be plated more than 23 inchis from the focal plane. Forming must be confined to the ground glets when you've working with close-up ablects. The scale and tange finder do not operate as close quatters.



Care of

The Brach Precision Presuman is constructed and engineered to withstend considerable hard stege, but it should be accorded the treatment you would give any expensive socical instrument. Keep it free of dust and, if nossible, do not expose it in extremes of temperatury and humidity. When cleaning the less me less time or soft brushes insended for thet purpost. When using the camera, evoid situations which would subject

it to violent joint or falls. If for some reason repeirs are required, severn it to the factory via railway expects, intured, If you cannot get the camera to the factory, be suce to put it in the hands of a philled repairman. It is auggested that the camera he kept in a sturdy certying case when not in use. This will preserve both finish and mechanical alignment. Several fine 4x1 cerrying cases are twellable from your dealer. Coosult him.

In Conclusion

While the Brach Pressonan Model D has been designed and built with the reunirements of the most skillful assessment in mind, the beginner will find no difficulty in learning how to get the atmost in performance from his camera if he beers in mind the verious assists discuss 4 to able may of

Reading the various books and magazines of the photostaphic world will lead to increasing understanding of the many possibilities contained in the design and construction of the Busch Presman. Should neusual problems arise which involve the operation of the camers we will be happy to advise you. When studing such correspondence be ture to mention the following faces

Complete serial number and model of camera. Two of lans, shorter and range finder plus any serial anombers on these articles, Also, where and when purchased. This particularly applies to correspondence on adjustments and remice.

Kinds of halders and adapters used as well as samples of orgatives and prints for reference Remember, additional accessories, leases, flash equipment, etc., must be ordered shrough

your local dealer. When ordering less board, specify tize and type of shorter, Glance through this booklet whenever the thought occurs to you, Cettain things mey

be overlooked in the first reading. Others may be forgotten. You will find The Brach Pressman, Model D. to be the finest extrera you have ever owned; if you operate it

correctly

BUSCH PRECISION CAMBEA CESPORATION